



## INDICATOR/ CONTROLLER

# NEMA 4X Loop-Powered Feet and Inches Level Indicator

## TEK-LCD 7801A



Technology Solutions



### 1 FEATURES

- Display Level in Feet & Inches
- 4-20 mA Input Loop-Powered
- Programmable 1/8 or 1/16 Inch Display
- 20-Segment Tank Level Indicator
- Lower Display for Tag, Volume, or Percent
- SafeTouch® Through-Window Button Programming
- Open Collector Alarm Output
- Loop-Powered or External DC- Powered Backlight Standard
- Plastic NEMA 4X, IP65 Enclosure
- Operates from -40 °C to 75 °C (-40°F to 158°F)

### 3 APPLICATIONS

- Live Input Calibration
- Multi-Point Linearizer
- Square Root Extraction
- Programmable Exponent

### CONTACT US

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### 2 SPECIFICATION

Display	Feet and Inches display: 0.60" (0.05 ft) high, 0 to 399 ft - 11 15/16 IN with 1/16 or 1/8 fraction display. Lower 7-digit display: 0.4" (0.03 ft) high, 14-segment alphanumeric characters, display tag, volume 0 to 9999999, and/or 0-100 percent. Tank Level Indicator: 20 segments, F (Full) and E (Empty) Alarm Indication: HI and LO; Backlight: White, loop or DC powered
Display Assignment	Lower display may be assigned to custom unit or tag, volume, volume and tag, percent height, percent height and tag, or off.
Display Update Rate	Ambient > -25 °C: 2 Updates/Second. Ambient < -25 °C: 1 Update/5 Seconds
Externally Powered Backlight	Voltage Range: 9-36 VDC
Over Range	Level display flashes to 399 FT 11 15/16 IN Volume display flashes 9999999 if over range
Under Range	Display flashes -999999
Programming Method	Four SafeTouch through-window buttons when cover is installed. Four internal pushbuttons when cover is removed.
Noise Filter	Programmable low (LO), medium (MED), high (HI), or off (OFF)
Recalibration	Recalibration is recommended at least every 12 months.
Password	Programmable password restricts modification of programmed settings.
Non-Volatile Memory	All programmed settings are stored in non-volatile memory for a minimum of ten years if power is lost.
Normal Mode Rejection	64 dB at 50/60 Hz
Operating Temperature Range	-40 °C to 75 °C (-40°F to 158°F)
Storage Temperature Range	-40 °C to 75 °C (-40°F to 158°F)
Relative Humidity	0 to 90% non-condensing
Overall Dimensions	5.67" x 5.25" x 4.18" (W x H x D) (0.47 ft x 0.43 ft x 0.34 ft)
Weight	1.65 lbs (26.4 oz, 0.75 kg)